

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.



AGRICULTURAL LIBRARIES INFORMATION NOTES

National Alcohol Fuels Information Center

and the

Solar Energy Information Data Bank

The Solar Energy, Research, Development and Demonstration Act of 1974 of the U.S. Congress chartered a Solar Energy Information Data Bank (SEIDB). This information resource was to be established and operated "...for the purpose of collecting, reviewing, processing, and disseminating information and data in all of the solar energy technologies..."--*Public Law 93-473, Sect. 8.* The U.S. Department of Energy developed this information service as a component of the Information Systems Division of the Solar Energy Research Institute (SERI), Golden, Colorado.



SERI later created the National Alcohol Fuels Information Center as a sub-specialty of the total SEIDB in direct response to the requests of the biomass programs offices of the U.S. Department of Energy. In 1980 Congress passed the Energy Security Act in which responsibility for alcohol fuel efforts, at a site where production is 15 million gallons or less, was assigned to the U.S. Department of Agriculture (USDA). This division of effort between large and small scale production has been difficult to separate in some cases; particularly is this true with information and publication services since the alcohol fuel technologies easily go back and forth across the 15 million gallon limit.

SERI and its information programs are familiar to many since the activities have been very visible nationally through publications, information inquiry 800 phone numbers, and demonstration exhibit programs. The National Alcohol Fuels Information Center (NAFIC) utilizes the internal structure of the SERI Information Systems Division and the services of the Data Bank as an integrated part of the total energy operation. Technical Information Systems now has a close working relationship with the NAFIC and wishes you to be aware of the information services available.

Center Mission

The mission of the National Alcohol Fuels Information Center is to operate an information center and coordinate national alcohol information activities. Effective operation of the Center will enhance the utilization of biomass feedstocks for conversion to fuels, by providing timely and accurate responses to inquiries on alcohol fuels technology and applications. The Information Systems Division of SERI is responsible for carrying out this mission as an integral part of the Solar Energy Information Data Bank.

The products and services of NAFIC are the same as those of the SEIDB but limited to alcohol fuels. They are:

Publication Services providing and disseminating general information brochures, directories of manufacturers and educational offerings, information locators, promotional material, bulletins listing available reports, data compilations, technical manuals, reference guides, bibliographies, and a calendar of events.

Information Audience Analysis Services identifying solar energy information users and their needs and providing the mechanism to deliver timely information to specific audiences that need it most.

Information Marketing Services announcing the availability of information products and services and encouraging their use.

Inquiry & Referral Services providing information requestors with data and information on all technologies, utilizing the extensive SEIDB data base and solar document collection and the resources of SERI's staff of researchers and analysts.

On-line Data Bases compiled on more than fifteen solar-related subjects, including information on manufacturers, professionals, educational offerings, bibliographic references, and installations. Available for searching on-line by qualified organizations. In addition, data is regularly extracted from these files for inclusion in information publications and inquiry responses.

Scientific Computation, Simulation Modeling and Telecommunications Services utilizing large-scale computers installed at SERI and a national data communications network. A models library is available to qualified users.

Solar Energy Information Center and Library with the world's most comprehensive collection of solar-related documents, offering reference and interlibrary loan service.

Complete Information on

Publications

To order SEIDB publications, contact:

SERI Document Distribution Service
1617 Cole Boulevard
Golden, Colorado 80401
Telephone (303) 231-1158 (FTS 327-1158)

Inquiry and Referral Services

Trained SEIDB specialists handle solar-related inquiries from the general public, including universities, the private research community, businesses, homeowners, and others. More extensive technical assistance is offered to Congress, Federal agencies, DOE solar contractors, and SEIDB Member Organizations.

Public Inquiries

For inquiries relating to residential and small-scale commercial solar heating and cooling, including passive solar, contact:

A. National Solar Heating and Cooling Information Center

P.O. Box 1607
Rockville, Maryland 20850
Telephone Toll-Free (800) 523-2929
From Pennsylvania (800) 462-4983
From Alaska, Hawaii (800) 523-4700

For inquiries relating to photovoltaics, wind energy, solar thermal power, ocean energy systems, energy conversion of biomass, solar energy storage, and agricultural and industrial process heat, contact:

B. National Solar Inquiry and Referral Service

Solar Energy Research Institute
1617 Cole Boulevard
Golden, Colorado 80401
Telephone (303) 231-7303 (FTS 327-7303)

The principal NAFIC objective is to respond in a timely, efficient and accurate manner to information needs expressed by the public, government agencies at all levels, and by groups having an interest in alcohol fuels. A long term but equally important objective is to become the clearinghouse for information on the financing, licensing, production, distribution, and performance of biomass-derived alcohol fuels conversion systems. A secondary objective is to demonstrate the effectiveness of conducting a highly visible, urgently needed, applications oriented information program by utilizing the resources of several SERI functional and applications branches in a matrix management mode. Two of the primary services, publications and data bases, are summarized here in greater detail. Most publications are available free of charge in single copies from SERI or major items in multiple copies from GPO. The data bases are presently undergoing a transfer to a new computer facility except for the energy modeling programs. Online access for anyone associated with alcohol fuel work will be possible in October and training classes are being planned.

How to Obtain Products and Services of the Solar Energy Information Data Bank

For inquiries relating to *alcohol fuels*, including *gasohol* and *ethanol*, contact:

C. National Alcohol Fuels Information Center

Solar Energy Research Institute
1617 Cole Boulevard
Golden, Colorado 80401
Telephone **Toll-Free** (800) 525-5555
From Colorado (800) 332-8339

Federal Agencies, DOE Solar Contractors, SEIDB Member Organizations

For inquiries relating to *all solar technologies*, contact:

D. Solar Energy Information Center

Solar Energy Research Institute
1617 Cole Boulevard
Golden, Colorado 80401
Telephone (303) 231-1415
(FTS 327-1415)

Data Bases

To request a search of any *SEIDB solar data base* . . .

Public Requests

Contact the *National Solar Inquiry and Referral Service* (See listing B above).

Requests from Federal Agencies, DOE Solar Contractors, and SEIDB Member Organizations

Contact the *Solar Energy Information Center* (See listing D above)

On-Line Access

SEIDB Solar Data Bases are available on-line to Federal and state agencies, to DOE contractors, and to university and other not-for-profit organizations involved in the development and promotion of solar energy. Training in the use of

SEIDB's data base management system is required before access can be granted. To arrange on-line access and training, contact:

E. Network Coordinator

Solar Energy Research Institute
1617 Cole Boulevard
Golden, Colorado 80401
Telephone (303) 231-1032
(FTS 327-1032)

Solar Models

The SEIDB Solar Models Library is available for on-line use by Federal and state agencies, by DOE contractors, and by university or not-for-profit organizations involved in the development and promotion of solar energy. Users are required to have working experience or training in use of solar models. To arrange access, contact the SEIDB Network Coordinator (See listing E above).

Library Services

SEIDB's Solar Energy Information Center and Library are open to the public Monday - Friday from 8 a.m. to 5 p.m. Library materials may be checked out only through interlibrary loan.

To arrange **interlibrary loan** of specific documents, contact:

Solar Energy Information Center

(see listing D above).

Reference Services are available to Federal agencies, DOE solar contractors, and SEIDB member organizations only. Contact the Solar Energy Information Center (See listing D above).

Public Inquiries in regard to reference and other bibliographic services should be addressed to the *Inquiry and Referral Services* listed above (See listings B and C)

SEIDB Membership

Organizations or agencies seeking an affiliation with SEIDB should contact the SEIDB Network Coordinator (See listing E above).

For Local Assistance on solar energy projects, contact the Regional Solar Energy Center which serves your state.

1. Western Solar Utilization Network

Pioneer Park Building
715 S.W. Morrison
Portland, Oregon 97205
Telephone (503) 241-1222

2. Mid-American Solar Energy Complex

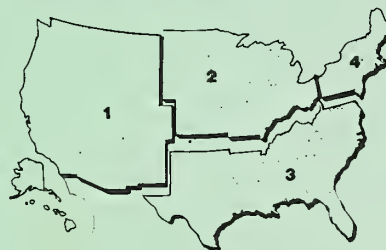
8140 26th Avenue South
Bloomington, Minnesota 55420
Telephone (612) 853-0400

3. Southern Solar Energy Center

61 Perimeter Park
Atlanta, Georgia 30341
Telephone (404) 458-8765

4. Northeast Solar Energy Center

470 Atlantic Avenue
Boston, Massachusetts 02110
Telephone (617) 292-9250



Publications

Directories from SEIDB data bases. *Reading Lists* and *Bibliographies* produced by the Information Center. *Information Locators*, *Reference Guides* on selected subjects, to assist policymakers and other professionals.

Guides and Manuals covering specific technologies such as production of alcohol fuels. *Fuel From Farms: A Guide to Small-Scale Ethanol Production* was distributed to 200,000 farmers and business people during 1980.

General Awareness literature. Questions and answers on technologies, and where-to-turn for books, films, and other sources of information

Non-Bibliographic Data Bases

Calendar
Education
Isolation
International Contacts
International Projects
International Agreements
Legislations

Manufacturers
Models
Directories
Information/Data Locator
Materials
Wind Products
Funding/Grants/Incentives

Agriculture and NAFIC

The USDA, particularly the Science and Education Administration, has become very active with the alcohol fuels program of the Congress because of the 1980 legislation. As a result, funds are being passed from the Department of Energy to USDA for the small-scale fuels works, including funds to support the information activities of NAFIC with TIS as the monitor. Additional funds are going to land-grant universities and others, as well as to SERI, for demonstration projects, research, and technology transfer. Comments are welcomed from those in field locations as well as regional and national offices on the types of information services needed during the next six months.

Several significant publications are in the preparation stage, including a loose-leaf reference manual of 15 chapters on alcohol fuels; agreement has been reached with the SEIDB for access to the online data bases for land-grant universities and others in the agricultural community concerned with alcohol fuels; training schedules will be set near October when the files are accessible. The staff of the SERI Information Systems Division has specialists in alcohol fuel technology as well as editors, communication specialists, librarians and technical information specialists. Presentations of an hour or less have been established and can be made by the NAFIC or Information Systems Division personnel.


(NAFIC, Con. on p. 5)

(NAFIC, Con. from p. 4)

future data base use concerning TIS supported program activities, please contact the NAFIC liaison to TIS:


Peter Mourning
Information Systems Division
Solar Energy Research Institute
1617 Cole Boulevard
Golden, CO 80401
(303) 231-7301; FTS 327-7301

If you wish to submit suggestions on specialty files, products, or services to be considered for TIS support at NAFIC, please contact:

Wallace C. Olsen
Technical Information Systems
Room 111, National Agricultural
Library Building
Beltsville, MD 20705
(301) 344-3834; FTS 344-3834 

Online Assistance for 1890 Libraries

In April 1981 Technical Information Systems, SEA/USDA awarded grants of \$1,500 each to three 1890 land-grant libraries to assist them in introducing AGRICOLA online to agriculturalists and advanced students at their institutions. This offer was made to the 1890 land-grant and Tuskegee Institute library directors at their meeting in September 1980.

The three libraries receiving the grants are: Alabama A & M University; University of Maryland, Eastern Shore; and Southern University in Louisiana. Of the seventeen 1890 land-grant libraries including Tuskegee Institute, six had online bibliographic services, and with the awarding of these grants, the total becomes nine. 

USDA ENERGY RESEARCH FUNDING

The availability of \$5,803,000 for USDA-DOE grants for research on energy and alcohol fuels was announced in the April 7 *Federal Register* (pp. 20971-6). Grant Application Kits are available from Grants Administrative Management Office, Attn: Proposal Services Unit, Science and Education Administration, USDA, Suite 103, Rosslyn Commonwealth Building, 1300 Wilson Boulevard, Arlington, VA 22209 (telephone 703-235-2638).

USDA-SEA funds will be for two areas of research: alcohol and industrial hydrocarbons research (\$485,000), and energy research (\$1,843,000) under the Cooperative Research Special Research Grant's program. The alcohols program will cover research on the evaluation, production, handling, treatment, and conversion of biomass resources for manufacture of ethyl alcohol. The energy program seeks ways to substitute energy from agricultural sources for petroleum-based energy and to gain net energy self-sufficiency in ag and forestry production and other rural activities. The four specific areas will be: fermentation; combustion, pyrolysis, and gasification; solar and wind energy; and biomass varietal screening.



Grain Dust Abstracts. Fang S. Lai. (U.S. Department of Agriculture. Bibliographies and Literature of Agriculture, No. 12). Washington, D.C., Science and Education Administration. April 1981. 28 p. 61 citations with abstracts. Order from: Publications Division, Office of Governmental and Public Affairs, U.S. Dept. of Agriculture, Washington, D.C. 20250. Free.

References IN: *Pearl Millet.* Kenneth O. Rachie and J.V. Majmudar. University Park, The Pennsylvania State University Press. 1980. p. 265-307. Approx. 1352 citations. This book is considered the first comprehensive review of literature on pearl millet. (NAL call no.: SB191.P4R32).

Structure of U.S. Agriculture Bibliography. Ronald C. Wimberly and Charles N. Bebee. (U.S. Department of Agriculture. Bibliographies and Literature of Agriculture, No. 16). Washington, D.C., Science and Education Administration. March 1981. 514 p. Approx. 2000 citations. Order from: Publications Division, Office of Governmental and Public Affairs, U.S. Dept. of Agriculture, Washington, D.C. 20250. Free.

Clearances have been given to USDA authors to compile or publish the titles listed below. These titles have not been published as yet and, therefore, are not available for distribution. Upon publication, they will be cited in the "New Bibliographies" or "New Publications of Note" column of this publication.

A Bibliography of Rhubarb and Rheum Species. Dale E. Marshall. For information contact: Compiler,


USDA, SEA, AR/North Central Region, Fruit and Vegetable Harvesting, 208 Agricultural Engineering Building, Michigan State University, East Lansing, Michigan 48824.

A Bibliography for Thermocouple Psychrometers: 1934-1980. Ray W. Brown. For information contact: Compiler, Forestry Sciences Laboratory, Intermountain Forest and Range Experiment Station, 860 North 12th East, Logan Utah 84321.

Black Turpentine and Imps Engraver Beetles: Annotated Bibliography. J.L. Foltz and R.C. Wilkinson. For information contact: Linda Korb, Southern Forest Experiment Station Library, Postal Services Building, Room T-10210, 701 Loyola Avenue, New Orleans, Louisiana 20113.

Detention/Retention for the Control of Quantity and Quality of Stormwater Runoff: Statement-of-the-Art. Richard H. McCuen, Stuart G. Welsh, and Walter J. Rawls. For information contact: Walter J. Rawls, Hydrology Laboratory AR, SEA, USDA, Building 005, Room 137, BARC-West, Beltsville, Maryland 20705.

Impacts of Backcountry Recreation: Management and Rehabilitation--An Annotated Bibliography. David N. Cole and Edward G.S. Schreiner. For information contact: Thomas M. Baugh, Research Information Group, Intermountain Forest and Range Experiment Station, 507 25th Street, Ogden, Utah 84401.

The Southern Pine Beetle: An Annotated Bibliography. D.L. Kulhavy. For information contact: Linda Korb, Southern Forest Experiment Station Library, Postal Services Building, Room T-10210, 701 Loyola Avenue, New Orleans Louisiana 20113. 

NEW PUBLICATIONS OF NOTE




Community Facilities and Services: Recent U.S. Government Printing Office Select List Publications for 1979-1980. Daniel S. Kuennen, comp. (Georgetown, DE, Delaware Cooperative Extension Service, 1981). 155 p. Free. Order from University Substation, R.D. 2, Box 48, Georgetown, DE 19947.

EIA Publications Directory, A User's Guide. (Washington, D.C.) U.S. Dept. of Energy, Office of Energy Information Services, 1980. 138 p. Free. Order from Energy Information Administration, Forrestal Bldg., Room 1F-048, Washington, D.C. 20585.

Energy Information Referral Directory. Fourth Quarter 1980. Washington, D.C. U.S. Dept. of Energy, Office of Information Services, National Energy Information Center (1981). 171 p. Free. Order from Energy Information Administration, Forrestal Bldg., Room 1F-048, Washington, D.C. 20585.

Farmstead Engineering. Proceedings of Conference, December 1980. St. Joseph, MO, American Society of Agricultural Engineers, 1981. 200 p. \$23.50. Order from ASAE, P.O. Box 410, St. Joseph, MO 49085.

Nutritional Energetics of Domestic Animals & Glossary of Energy Terms. 2d ed. rev. Washington, D.C., National Academy Press, 1981. 61 p. \$4.75. Order from the Press, 2101 Constitution Avenue, N.W., Washington, D.C. 20418.

Opportunities in Times of Crisis. Proceedings of annual meeting of American Society of Agricultural Consultants. Kansas City, MO, October 8-9, 1980. McLean, VA, 1981. 158 p. \$20.00. Order from the Society, 8301 Greensboro Drive, Suite 470, McLean, VA 22102. 

NEW SERIALS RECEIVED AT NAL



Energy Executive Directory. Washington, D.C., Carroll Publishing Company. 3 x year. 1980-
HD9502.U5E52

Government Research Centers Directory. Detroit, MI., Gale Research Company. irr. no. 1, 1980-
AS25.G6


Journal of Interferon Research. New York, Mary Ann Liebert Inc. q. Vol. 1, 1980-
QR187.5.J6

Microwave World. New York, International Microwave Power Institute. irr. Vol. 1, 1980-
TX832.M52

Oncodevelopmental Biology and Medicine. Amsterdam, Elsevier/North Holland Biomedical Press. irr. Vol. 1, 1980-
RC268.3.052

Soil & Tillage Research. Amsterdam, Elsevier Scientific Pub. Co. q. Vol. 1, 1980-
S590.S48

Structure and Function of the Circulation. New York, Plenum Press. irr. 1980-
QP102.S8

Survey of Contemporary Toxicology. New York, Wiley. irr. 1980-
RA1211.S9 

Aquaculture Translations

Requests for copies of aquaculture translations from the list published in *ALIN* (vol. 7, no. 4), April, 1981, will be held and processed in batches once a month. We hope in this way to avoid limiting the number of translations supplied or the number of pages copied per requestor.



July 13-17: *Conference on Food Microbiology*. Society for Applied Microbiology. Bristol, U.K. Contact: R.W.A. Park, Microbiology Dept. University of Reading, London Road, Reading, England RG1 5AQ.

July 26-30: *American Society of Animal Science*. North Carolina State University Raleigh, N.C. Contact: David C. England, Oregon State University, Animal Science Department, Corvallis, OR 97330

August 2-5: *Soil Conservation Society of America, 36th Annual Meeting*. Spokane, Washington, D.C. Contact: SCSA, 7515 Northeast Ankeny Road, Ankeny, Iowa 50021.

August 2-6: *American Phytopathological Society*. New Orleans, La. Contact: R. J. Tarleton, APS, 3340 Pilot Knob Rd., St. Paul, MN 55121.

August 11-13: *Cereals, A Renewable Resource: Theory and Practice. An International Symposium*. Copenhagen, Denmark. Contact: Mrs. Ruth Nelson, American Association of Cereal Chemists, 3340 Pilot Knob Road, St. Paul, MN 55121. (612) 454-7250.

August 16-21: *International Congress on Nutrition. XII* San Diego, Calif. Contact: Administrative Secretariat, XII. Int'l. Congress on Nutrition, 1629 K St., N.W., Suite 706, Washington, D.C. 20006.

September 6-17: *XVII IUFRO (International Union of Forestry Research Organizations) World Congress*. Kyoto, Japan. Contact: Secretariat, XVII IUFRO World Congress, P.O. Box 16, Tsukuba Norin Kenkyudanchi-nai, Ibaraki 305, Japan.

October 25-30: *American Society for Information Science, 44th Annual Meeting*. Washington, D.C. Contact: Carol Wasserman, ASIS '81 Public Relations Committee, 1010 16th Street, N.W., Washington, D.C.

November 15-18: *Research for Small Farms*. Beltsville Agricultural Research Center, Science and Education Administration, U.S. Dept. of Agriculture, Beltsville, MD. Contact: Special Symposium Office, Room 230, Bldg., 003, BARC-West, USDA, Beltsville, MD 20705. (301) 344-3087.

December 8-10: *Fifth International Online Information Meeting*. London, England. Contact: Organising Secretary, Online Information Meetings, Online Review, Learned Information, Besselsleigh Road, Abingdon, Oxford OX 13 6LG, England. Tel: 0865-730275. Telex: 837704.

February 2-6, 1982: *International Conference on Chemistry and World Food Supplies--The New Frontier (CHEMRAWN II)*. Manila, Philippines. Contact: Joyce Torio, CHEMRAWN II Coordinating Office, International Food Policy Research Institute, 1776 Massachusetts Avenue, N.W., Washington, D.C. 20036. ☎

AGRICULTURAL LIBRARIES INFORMATION

NOTES provides a channel of communication to technical information specialists, librarians, extension workers, researchers, and scientists on agricultural information activities. It is published monthly by the U.S. Department of Agriculture, Science and Education Administration, Technical Information Systems, National Agricultural Library Building, Beltsville, MD 20705. Leila Moran, Editor. ☎